

DT-315AEB

Stroboscopes

- 100–30,000 RPM/FPM & higher with harmonics
- Highest accuracy and most stable flash rate
- Easy-to-read LED display
- Easy-to-operate controls
- Detachable pistol-grip handle
- Provides 12 V DC power for external sensors
- Accepts external trigger input and provides synchronizing pulse output
- Phase shift for best view and flash photography
- Coarse and Fine flash rate control
- Instant double and half-rate flash selection for error-free reading



DT-311A

115 V AC or 230 V AC

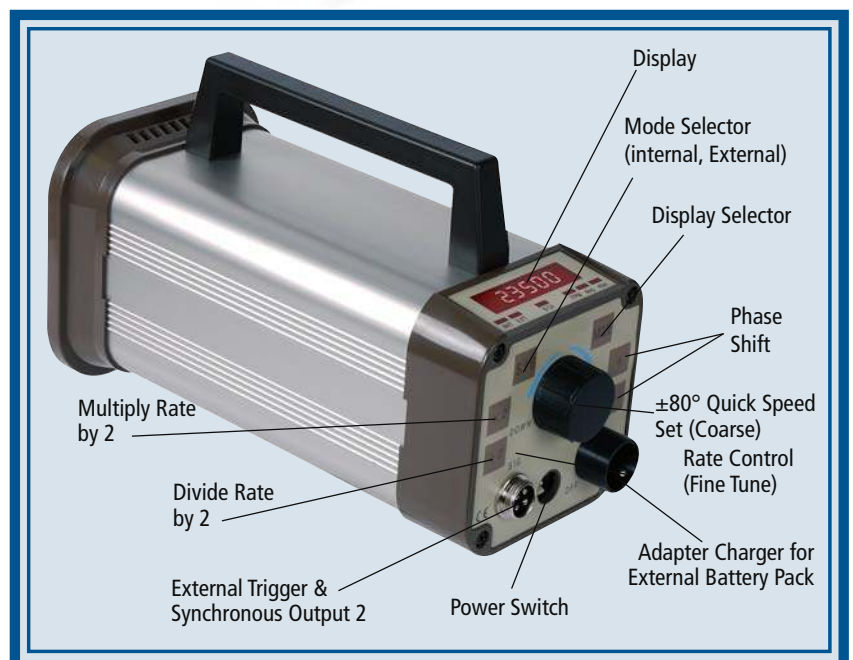
DT-315A

Internal battery, 12 V DC or AC adapter

DT-315AEB

External battery pack or 12 V DC

Check•Line DT-300 Series Digital Tachometer Stroboscopes are portable, highly stable and accurate, industrial-quality tools for non-contact RPM measurement, inspection and observation of moving parts by "freezing" or "slowing down" the action.



Specifications

| | | | |
|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Flash Range | 100–30,000 FPM | Display | 5 digits, 10 mm high, red LED |
| Accuracy | | Flashtube | Xenon, 10 W maximum |
| Internal Mode: | + 0.01% of reading | Flash Duration | 10–30 μ s |
| External mode: | + 0.01% or + 1 digit | Sensor Power Supply | 12 V DC + 0.6 V, 40 mA |
| Drift | + 0.01% per degree C | | |
| Update Time | | EXTERNAL MODE ONLY | |
| Internal Mode | 0.2 seconds | Phase Shift: | 0–359° with 1° resolution or 0–333 ms from 200–3,000 FPM |
| External Mode | 1 second | Input Signal Req'd for External Triggering: | 5–24 V P–P (not to exceed 35 V to GND), pulse width 50 μ s minimum, rise time less than 0.2 ms |
| Decimal Point | 100.0–1,999.9 and 2,000– 30,000 | Input Impedance | 10,000 ohms |
| Output Signal | Synchronous, 400 μ s pulse, 0 to approx. +12 V DC, 1000 ohms impedance | | |
| Display & Rate | Divide or multiply by 2, selectable | | |
| Low Battery Indicator | Display shows L's | | |
| Operating Temperature | 32–104° F (0–40° C) | | |

Model Power Requirements

| | |
|------------------|----------------------------------------------------------------------------------------------------|
| DT-311A | 115 V or 230 VAC (specify), 50/60 Hz, 30 VA |
| DT-315A | 115 VAC or 230 VAC Adapter or one (1) hour, internal, rechargeable 12 V battery or external 12 VDC |
| DT-315AEB | Three (3) hour, external, rechargeable 12 V DC Power Pack or external 12 V DC |

| Model | Accessories | Battery Usage | Battery Charge | Dimension | Weight |
|------------------|--------------------------------------------------------------------------------------------|----------------------------------|----------------|---------------------------------------|-------------------|
| DT-311A | none | N/A | N/A | 4.7 x 4.7 x 7.2" (120 x 120 x 183 mm) | 2.6 lbs. (1.2 kg) |
| DT-315A | Internal battery, 12 VDC with 115 VAC or 230 VAC AC Adapter Charger | 1 hour at high flash rate | 16 hours | 4.7 x 5.6 x 9.7" (120 x 141 x 248 mm) | 4.4 lbs. (2kg) |
| DT-315AEB | External battery pack, 12 V DC, with 115 V AC or 230 V AC Charger & carrying case | 3 hours at high flash rate | 16 hours | Same as DT-311A | 4.5 lbs. (2 kg) |

External Battery Pack

| | | |
|------------------------|--------------------------------------|-----------------|
| DT-3115AEB only | 6.3 x 4.3 x 2.8" (161 x 110 x 71 mm) | 4.5 lbs. (2 kg) |
|------------------------|--------------------------------------|-----------------|